



FIGURE 1

## COMPARISON OF HUMAN V1-1 VS. HUMAN MP-52

V1-1	Ser	Arg	Cys	Ser	Arg	Lys	Pro	Leu	His	Val	Asp	Phe	Lys	Glu	Leu
1	AGC	CGC	TGC	AGC	CGC	AAG	CCG	TTG	CAC	GTG	GAC	TTC	AAG	GAG	CTC
MP52	GCT	CGC	TGC	AGT	CGG	AAG	GCA	CTG	CAT	GTC	AAC	TTC	AAG	GAC	ATG
1	Ala	Arg	Cys	Ser	Arg	Lys	Ala	Leu	His	Val	Asn	Phe	Lys	Asp	Met
16	Gly	Trp	Asp	Asp	Trp	Ile	Ile	Ala	Pro	Leu	Asp	Tyr	Glu	Ala	Tyr
46	GGC	TGG	GAC	GAC	TGG	ATC	ATC	GCG	CCG	CTG	GAC	TAC	GAG	GCG	TAC
46	GGC	TGG	GAC	GAC	TGG	ATC	ATC	GCA	CCC	CTT	GAG	TAC	GAG	GCT	TTC
16	Gly	Trp	Asp	Asp	Trp	Ile	Ile	Ala	Pro	Leu	Glu	Tyr	Glu	Ala	Phe
31	His	Cys	Glu	Gly	Leu	Cys	Asp	Phe	Pro	Leu	Arg	Ser	His	Leu	Glu
91	CAC	TGC	GAG	GGC	CTT	TGC	GAC	TTC	CCT	TTG	CGT	TCG	CAC	CTC	GAG
91	CAC	TGC	GAG	GGG	CTG	TGC	GAG	TTC	CCA	TTG	CGC	TCC	CAC	CTG	GAG
31	His	Cys	Glu	Gly	Leu	Cys	Glu	Phe	Pro	Leu	Arg	Ser	His	Leu	Glu
46	Pro	Thr	Asn	His	Ala	Ile	Ile	Gln	Thr	Leu	Leu	Asn	Ser	Met	Ala
121	CCC	ACC	AAC	CAT	GCC	ATC	ATT	CAG	ACG	CTG	CTC	AAC	TCC	ATG	GCA
121	CCC	ACG	AAT	CAT	GCA	GTC	ATC	CAG	ACC	CTG	ATG	AAC	TCC	ATG	GAC
46	Pro	Thr	Asn	His	Ala	Val	Ile	Gln	Thr	Leu	Met	Asn	Ser	Met	Asp
61	Pro	Asp	Ala	Ala	Pro	Ala	Ser	Cys	Cys	Val	Pro	Ala	Arg	Leu	Ser
181	CCA	GAC	GCG	GCG	CCG	GCC	TCC	TGC	TGT	GTG	CCA	GCG	CGC	CTC	AGC
181	CCC	GAG	TCC	ACA	CCA	CCC	ACC	TGC	TGT	GTG	CCC	ACG	CGG	CTG	AGT
61	Pro	Glu	Ser	Thr	Pro	Pro	Thr	Cys	Cys	Val	Pro	Thr	Arg	Leu	Ser
76	Pro	Ile	Ser	Ile	Leu	Tyr	Ile	Asp	Ala	Ala	Asn	Asn	Val	Val	Tyr
226	CCC	ATC	AGC	ATC	CTC	TAC	ATC	GAC	GCC	GCC	AAC	AAC	GTT	GTC	TAC
226	CCC	ATC	AGC	ATC	CTC	TTC	ATT	GAC	TCT	GCC	AAC	AAC	GTG	GTG	TAT
76	Pro	Ile	Ser	Ile	Leu	Phe	Ile	Asp	Ser	Ala	Asn	Asn	Val	Val	Tyr
91	Lys	Gln	Tyr	Glu	Asp	Met	Val	Val	Glu	Ala	Cys	Gly	Cys	Arg	
271	AAG	CAA	TAC	GAG	GAC	ATG	GTG	GTG	GAG	GCC	TGC	GGC	TGC	AGG	
271	AAG	CAG	TAT	GAG	GAC	ATG	GTC	GTG	GAG	TCG	TGT	GGC	TGC	AGG	
91	Lys	Gln	Tyr	Glu	Asp	Met	Val	Val	Glu	Ser	Cys	Gly	Cys	Arg	

Homology at the nucleotide level: 249/312 = 79.8%

Homology at the amino acid level: 84/104 = 80.8%